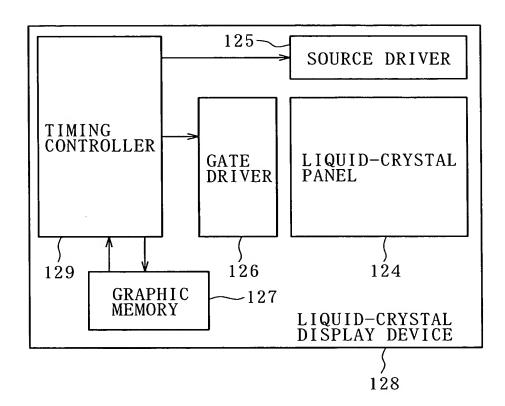
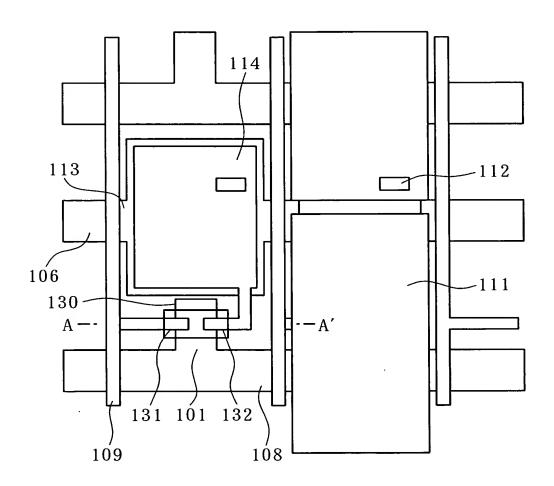
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 1 of 27

F I G. 1



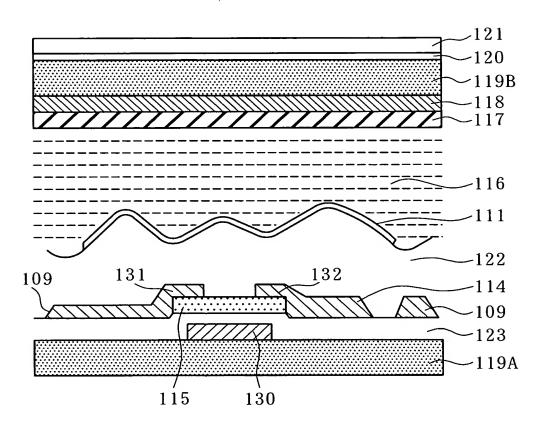
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 2 of 27

F I G. 2



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 3 of 27

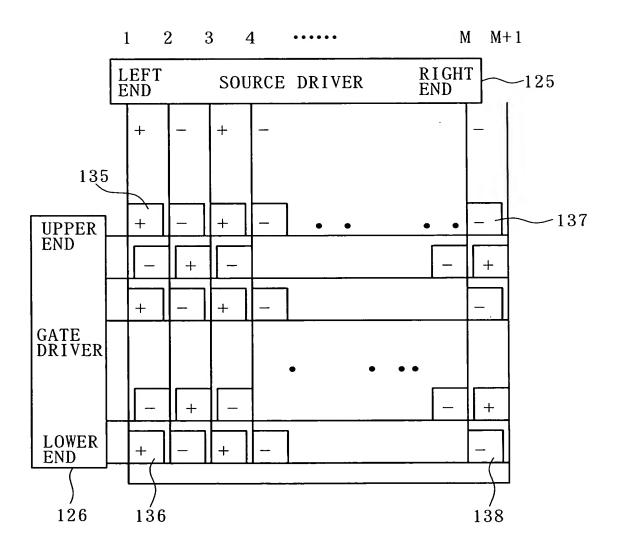
F I G. 3



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 4 of 27

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# F I G. 4



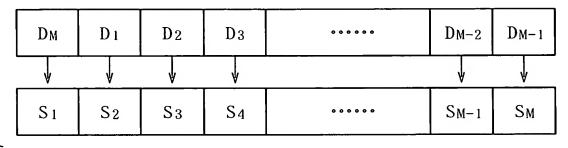
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 5 of 27

F I G. 5

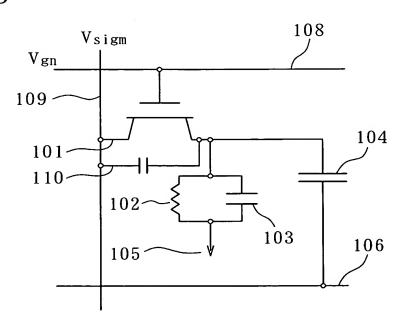
GATE LINES ON ODD-NUMBERED ROWS ARE PUT IN AN ON STATE

D <sub>1</sub>	D2	D3	D4		DM-1	Dм
	V	<b>V</b>	V		V	<b>V</b>
Sı	S <sub>2</sub>	S <sub>3</sub>	S4	00000	Sm-1	Sm

GATE LINES ON EVEN-NUMBERED ROWS ARE PUT IN AN ON STATE

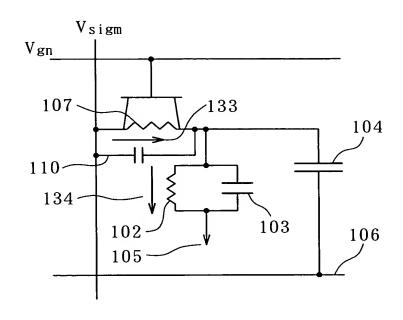


F I G. 6

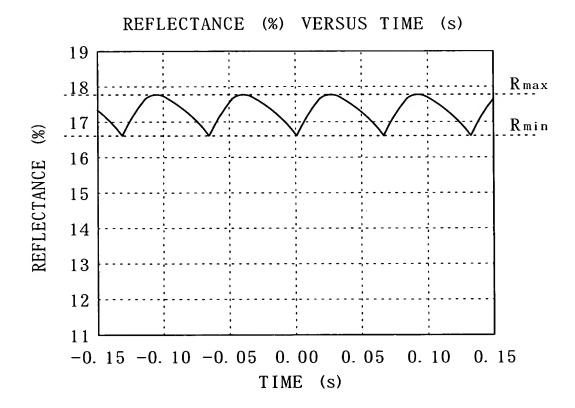


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 6 of 27

F I G. 7



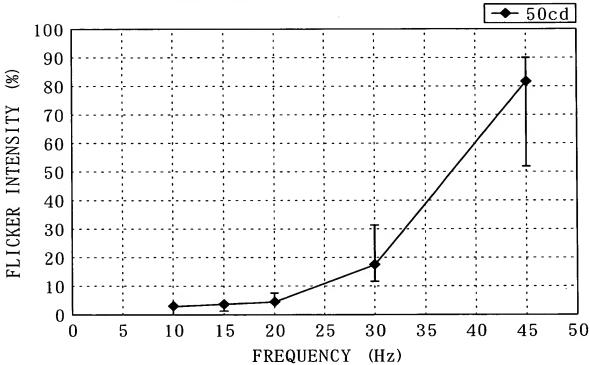
F I G. 8



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 7 of 27

F I G. 9



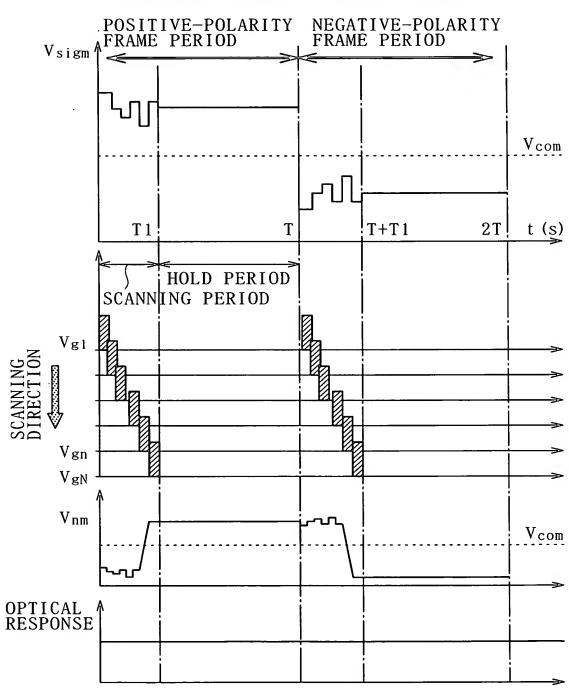


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 8 of 27

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### F I G. 10

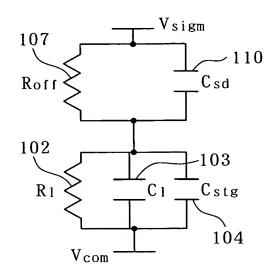
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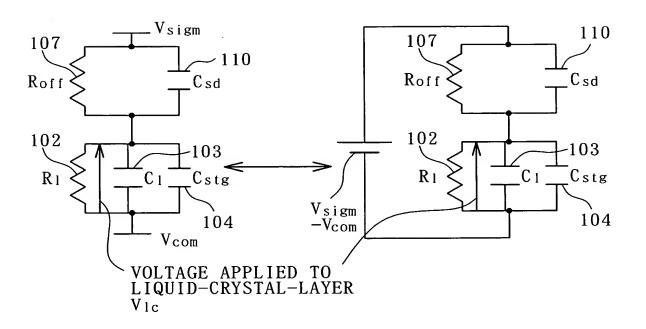
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 9 of 27

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# F I G. 11



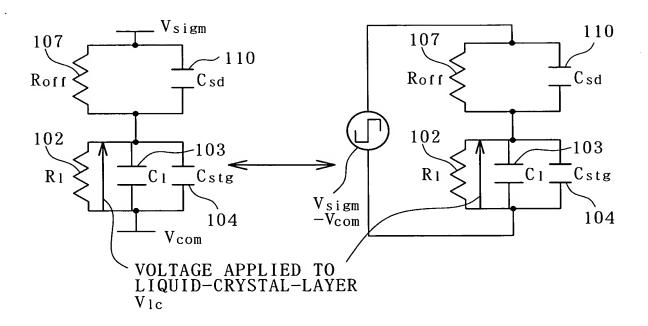
## F I G. 12



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 10 of 27

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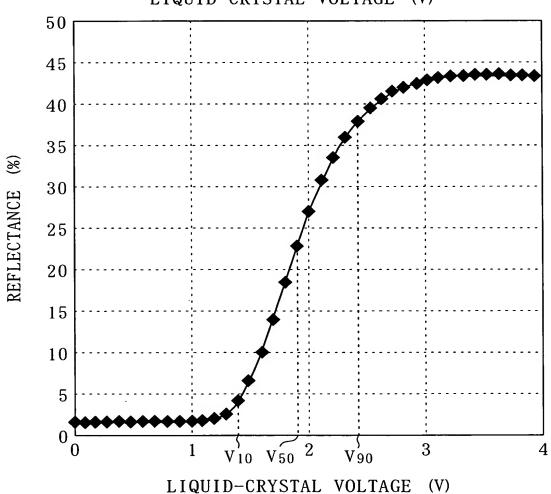
## F I G. 13



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 11 of 27

F I G. 14



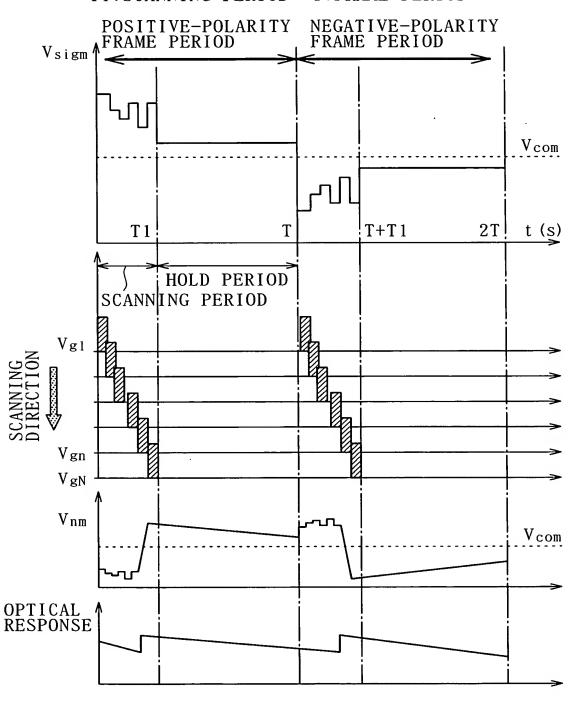


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 12 of 27

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### F I G. 15

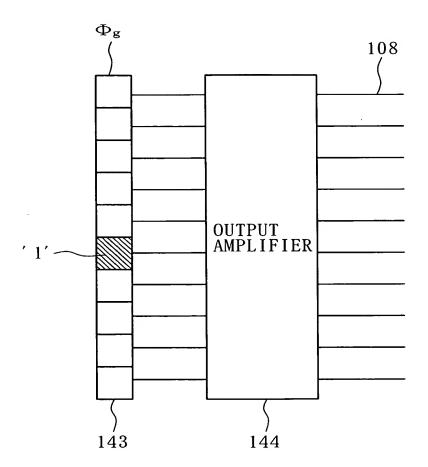
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Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 13 of 27

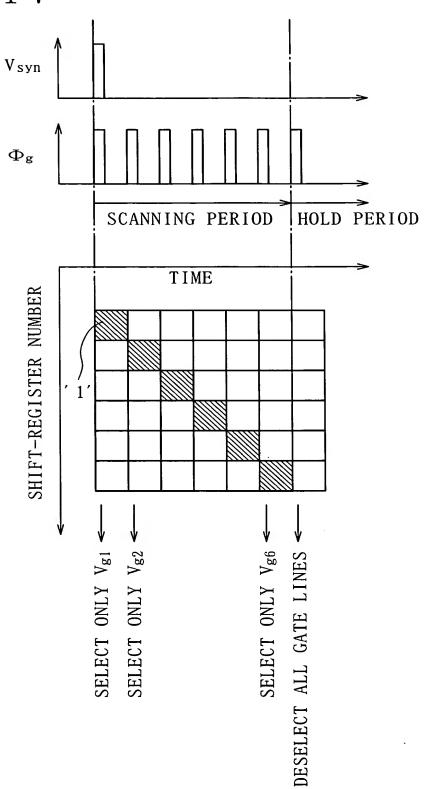
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# F I G. 16



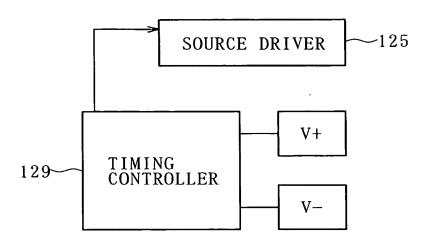
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 14 of 27

F I G. 17

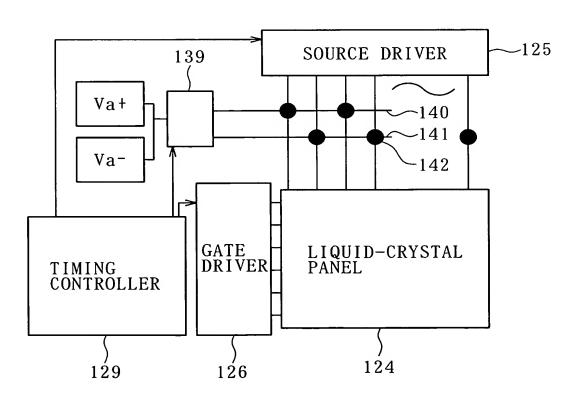


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 15 of 27

F I G. 18



F I G. 19

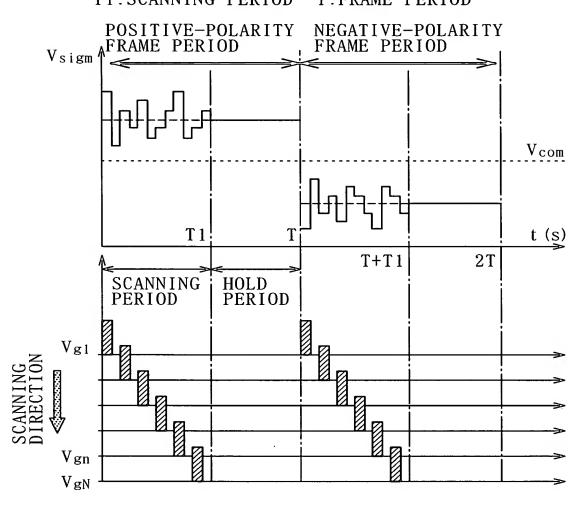


Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 16 of 27

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## F I G. 20

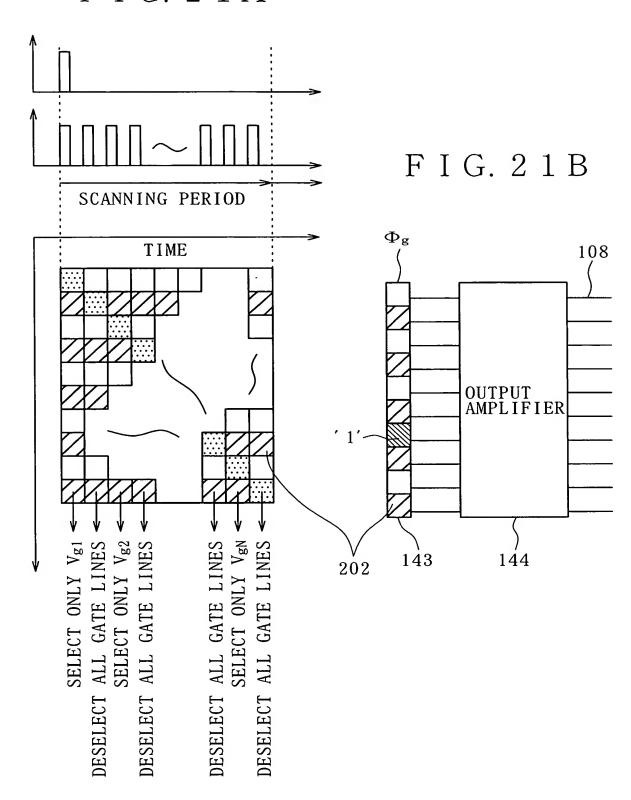
T1:SCANNING PERIOD T:FRAME PERIOD



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 17 of 27

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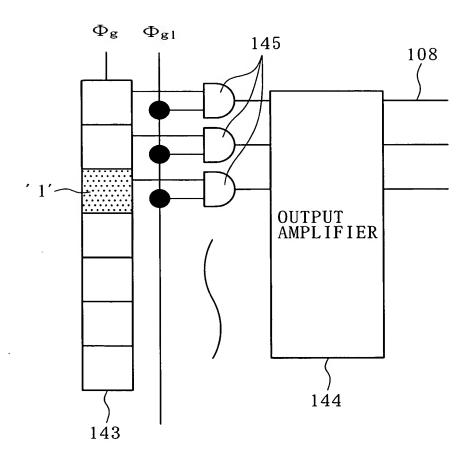
#### F I G. 21A



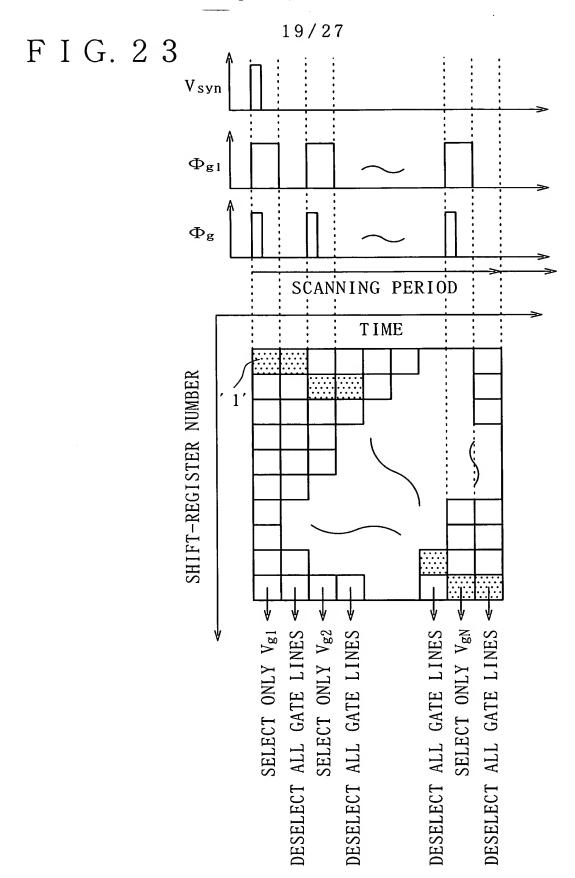
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 18 of 27

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# F I G. 22



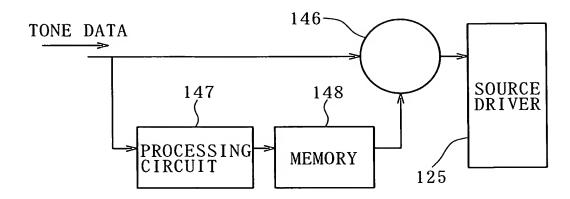
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 19 of 27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 20 of 27

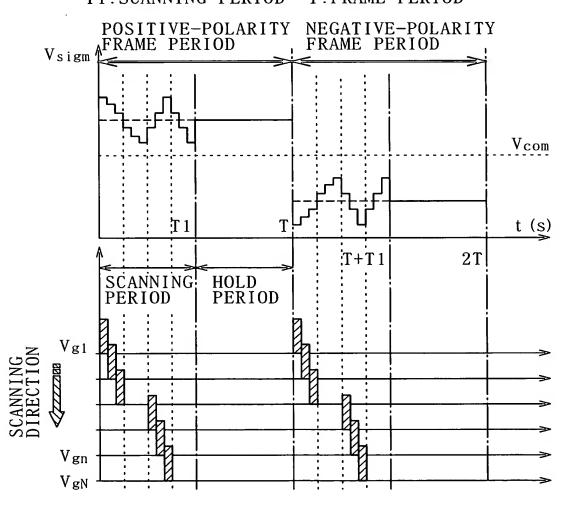
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#### F I G. 24



### F I G. 25

T1:SCANNING PERIOD T:FRAME PERIOD

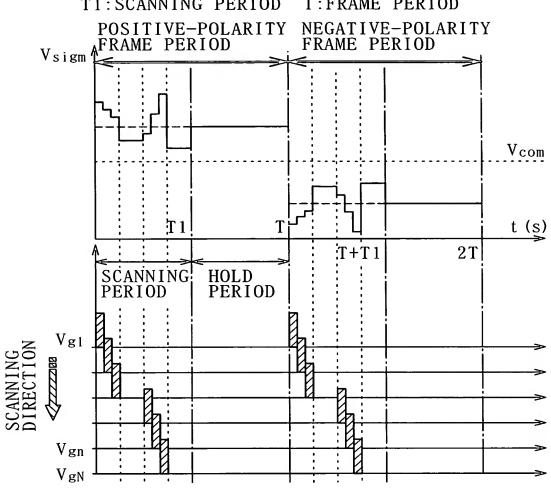


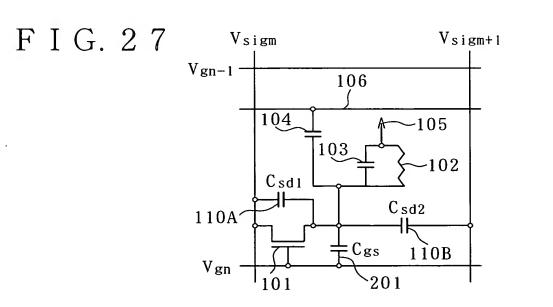
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 21 of 27

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### F I G. 26

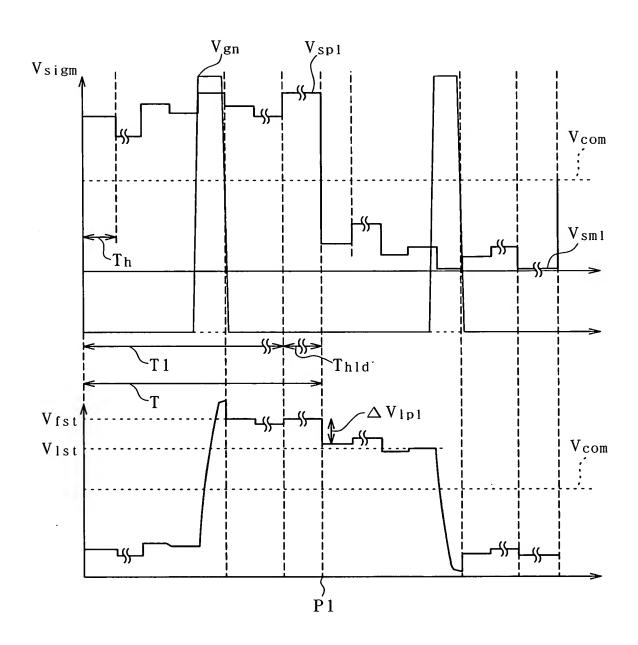
T1:SCANNING PERIOD T:FRAME PERIOD





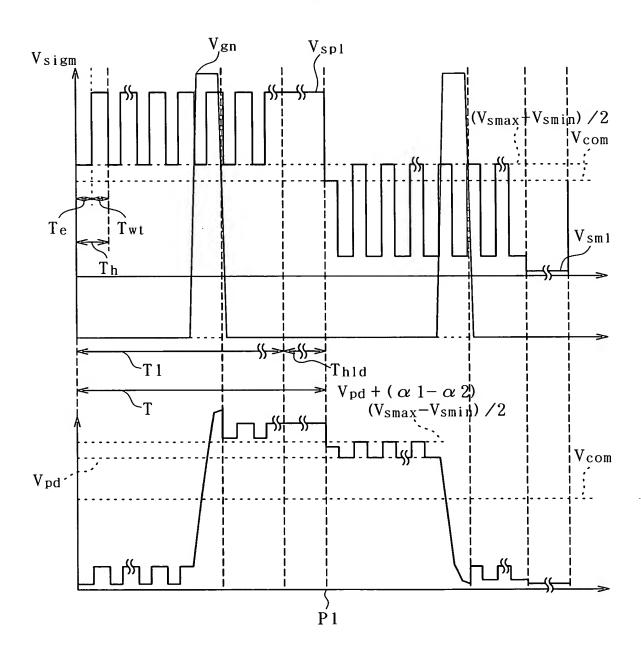
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 22 of 27

F I G. 28



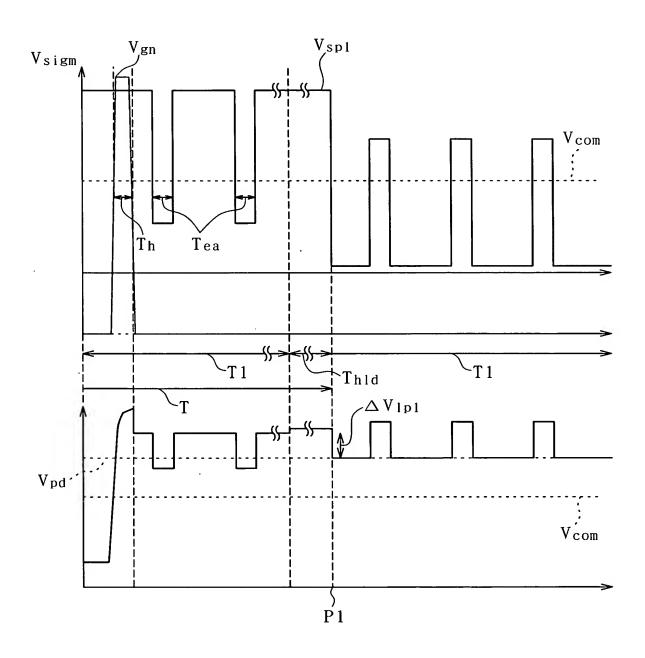
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 23 of 27

F I G. 29



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 24 of 27

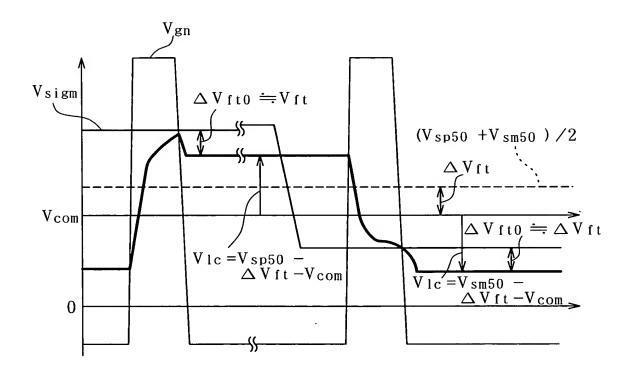
F I G. 30



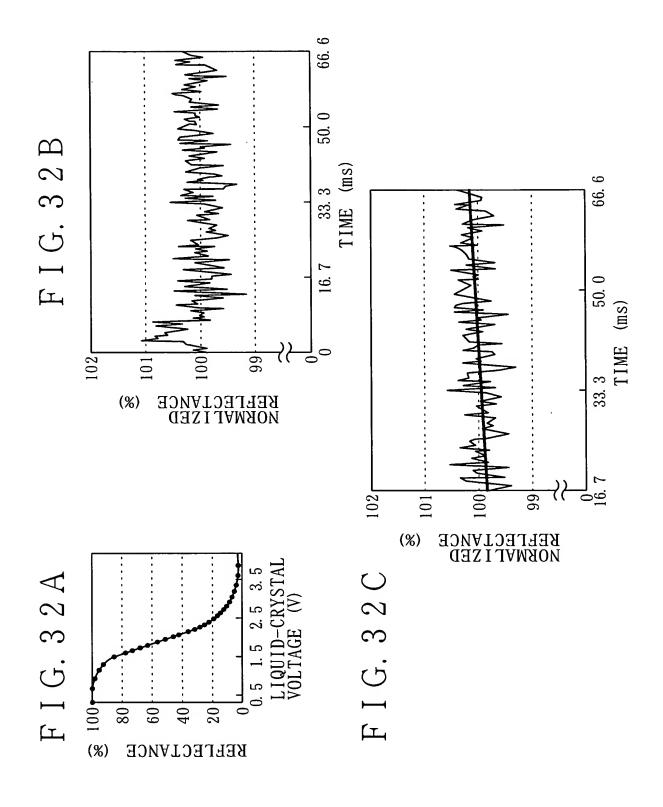
Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 25 of 27

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# F I G. 3 1



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 26 of 27



Hogan & Hartson 81940.0066 Yoshifumi SEKIGUCHI et al. Liquid-Crystal Display Device and ... EV 324 111 401 US 27 Drawing Sheets; Sheet 27 of 27

F I G. 33

